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PHOTOGRAPHIC INTERPRETATION REPORT

CRUISE-MISSILE LAUNCH SITE NEAR BANES, CUBA



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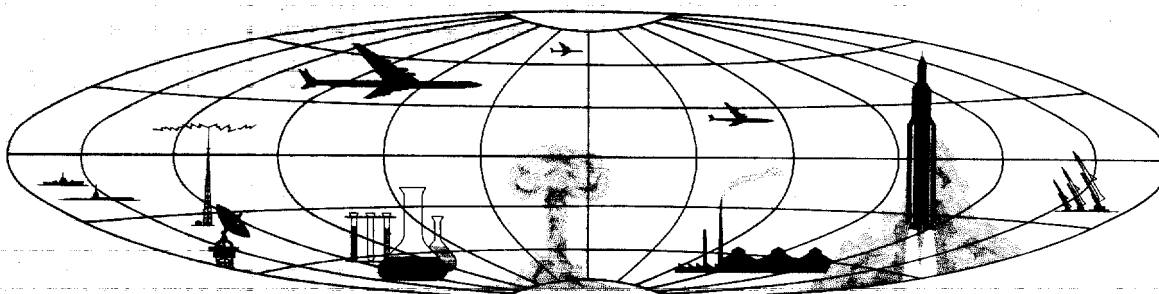


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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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CRUISE-MISSILE LAUNCH SITE NEAR BANES, CUBA

A cruise-missile launch site under construction has been identified in Cuba on TALENT photography of [REDACTED]. It is located at 20-58-N 75-38-W (UTM [REDACTED] on AMS 5078 I), 4.5 nautical miles (nm) east-northeast of Banes and 3 nm west of the coast (Figure 1). This installation was not present on photography of [REDACTED]. Although under construction as of the later coverage, the instal-

lation may have an operational capability. The site is oriented toward the ocean, and there is an unobstructed view of the ocean from the hilltop location, 250-330 feet above sea level.

The launch site measures about 1,200 by 1,100 feet, is being fenced, and is road served (Figure 2). It contains 2 revetted inclined launchers with their associated possible control revetments, 8 canvas-covered missile trans-

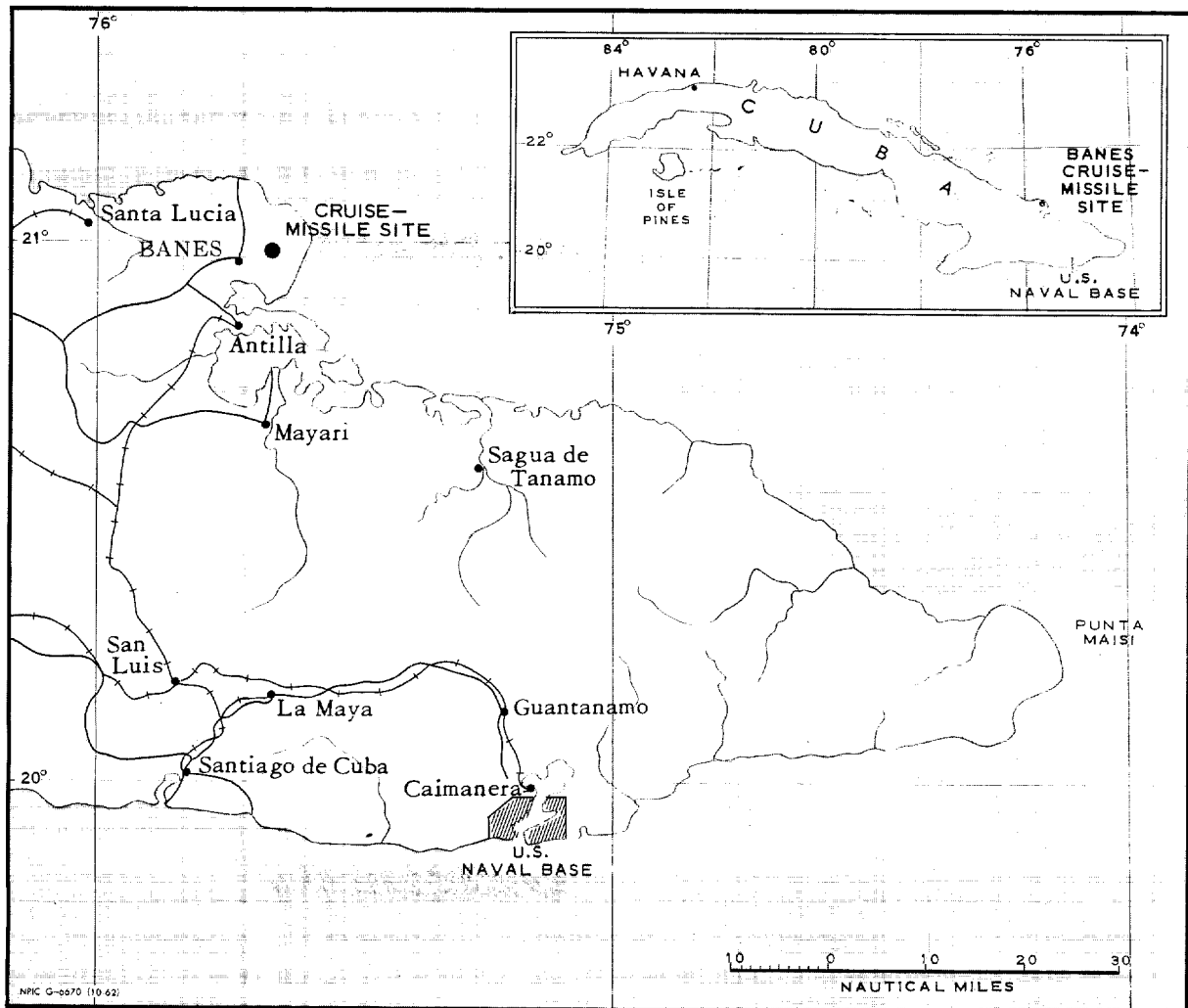


FIGURE 1. LOCATION OF CRUISE-MISSILE LAUNCH SITE NEAR BANES, CUBA.

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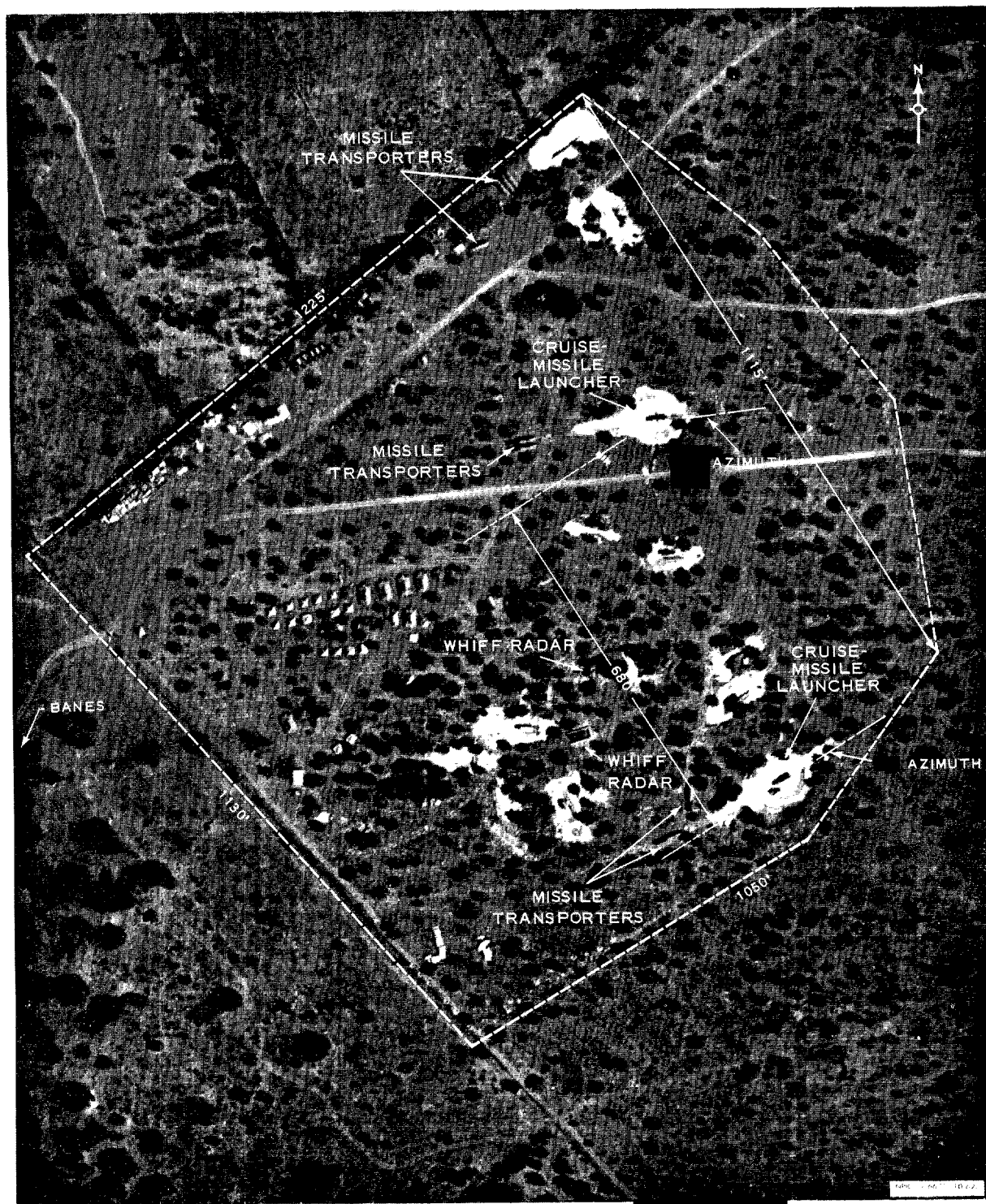


FIGURE 2. CRUISE-MISSILE LAUNCH SITE

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porters, 2 Whiff-type radars, numerous vehicles and pieces of equipment, a tent area, and 2 open storage areas.

This site resembles the cruise-missile sites near Lien-shan and Port Arthur in China and the two on Kildin Island in the USSR. All these sites have two launch positions of similar size and configuration and a commanding view of the sea. The Banes and Lien-shan sites have Whiff radars and inclined launchers, and at all the sites the missiles would probably be offloaded from the rear of the transporter.

A description of all the significant features of the Banes launch site follows (item numbers and annotations are keyed to Figure 3).

Launch revetment (item 1). This revetment contains a launcher inclined at an angle of approximately 20 degrees. The central part of the revetment is nearly circular and about 45 feet wide at the base. The launcher, oriented on an azimuth of approximately [REDACTED] degrees and centered in the revetment, measures [REDACTED] feet. It has two outriggers near the midpoint. At the time of the [REDACTED], a ZIL-150 or KAZ-600 truck was moving slowly in the revetment. Just outside the revetment are four rolls or bales of probable camouflage material or canvas. About 100 feet behind the revetment is a canvas-covered missile transporter, parked in line with and facing away from the launcher. A second covered transporter is parked nearby at an angle. Both these transporters measure [REDACTED] feet overall.

Launch revetment (item 2). This revetment and the launcher in it are identical with the first. The launcher, however, is oriented on an azimuth of approximately [REDACTED] degrees. It is not known whether the launchers are mobile or to what extent, if any, they can be rotated. The launcher has two outriggers near its midpoint. Five rolls or bundles of probable camouflage material or canvas are located near the revet-

ment. Two missile transporters, identical with the two near the other launch revetment, are parked in parallel behind and facing away from the launcher.

Two possible control revetments (items 3 and 4). One revetment (item 3) is 180 feet from the first launch revetment (item 1), and the other (item 4), 270 feet from the other launch revetment (item 2). Each revetment contains a van, which is possibly a control van, measuring [REDACTED] and each is connected to its associated launcher and Whiff radar by buried cable.

Whiff radars (items 5 and 6). These radars are behind and on higher ground than the launchers and possible control vans. One (item 5) is in a revetment. The other (item 6) is unrevetted.

Possible power generator van (item 7). This van, measuring [REDACTED] feet, is positioned in a long revetment. Since all cables within the installation appear to terminate at this van, it may be a power generator van.

Possible communications van (item 8). This van, measuring [REDACTED] feet and parked in a revetment, is connected by cable to the possible power generator van and may serve as a communications center.

Truck with unidentified object (item 9). This truck, [REDACTED] is in a revetment just northeast of the possible power generator and connected by cable to it. The object mounted on it may have an electronics function.

Three revetments (items 10-12). These revetments are on the higher ground. One (item 10) contains an unidentified truck or piece of equipment partially obscured by vegetation. A possible buried cable leads from this revetment toward one of the Whiff radars (item 5). The two other revetments (items 11 and 12) are unoccupied and measure 30 by 10 feet and 40 by 15 feet, respectively.

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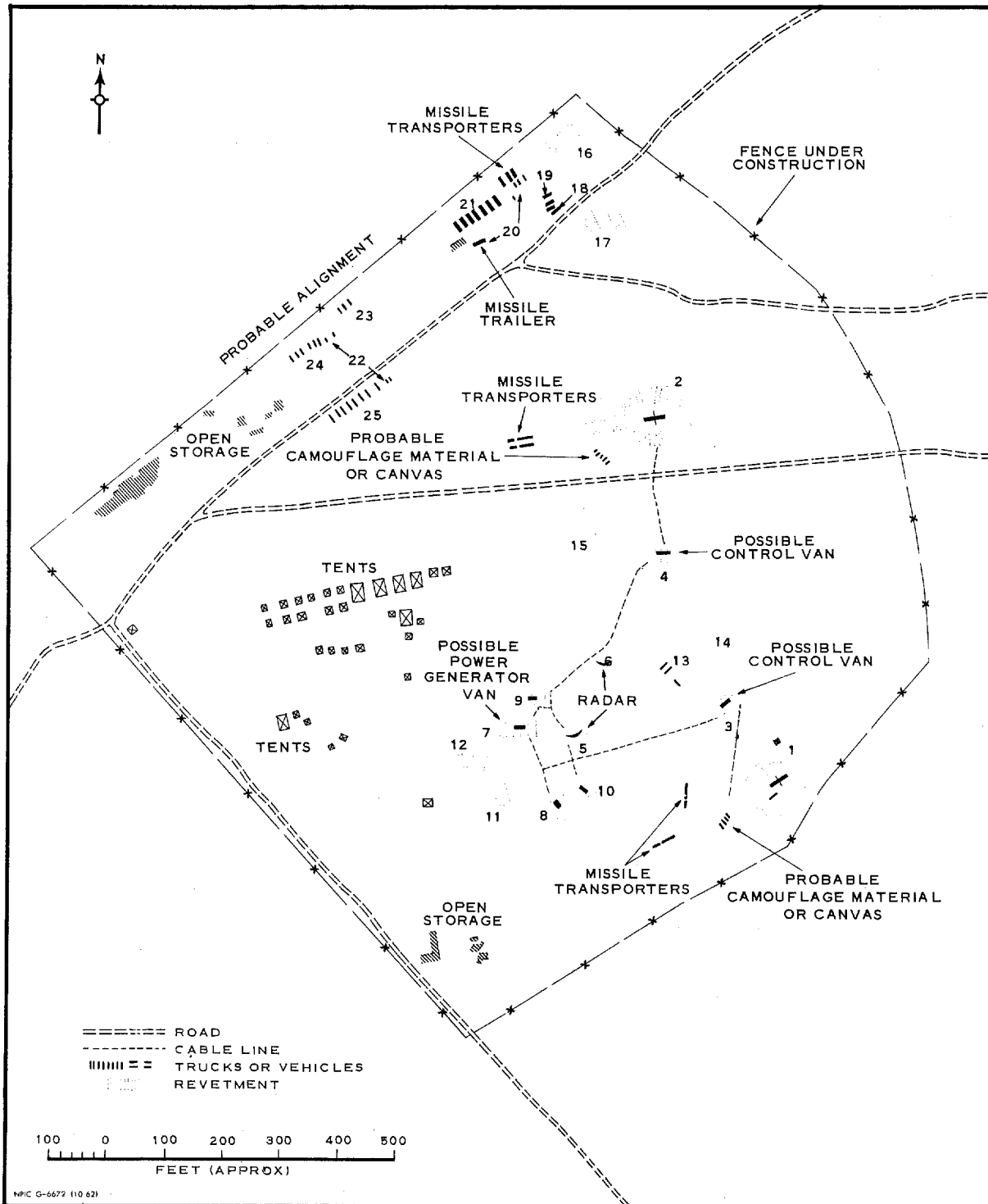


FIGURE 3. LAYOUT OF FACILITIES AT LAUNCH SITE.

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Three vans (item 13). These vans, parked about midway between the two possible control vans, [REDACTED]

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Possible missile-transporter hold positions (items 14 and 15). Two long, narrow drive-through revetments, one near each launch revetment, may function as hold positions for missile transporters.

Three revetments (items 16 and 17). These revetments, in the north corner of the site, are unoccupied. The largest (item 16) measures 60 by 25 feet and has an inclined base. The other two (item 17) measure 30 by 10 feet and also have inclined bases.

Vehicles and equipment along northwest perimeter (items 18-25). These include the

following: 3 ZIL-158 trucks (item 18), one ZIL-150 or KAZ-600 truck (item 19), 4 missile trailers and prim movers (item 20), 7 possible arch-roofed trailers measuring [REDACTED] (item 21), 4 bulldozers (2 of them possible) (item 22), 3 possible vehicles (item 23), 6 ZIS-355M trucks (item 24), 8 AT-S tracks vehicles (item 25), and numerous unidentified supplies in open storage.

At least 28 pyramidal tents measuring 15 feet square and 6 tents measuring [REDACTED] are located in the site, mostly in the west-central portion. In the south corner of the site is an open storage area which probably contains stacked fence posts, fence wire, and possible bales of camouflage material. No facilities for fuel or explosives storage have been identified.

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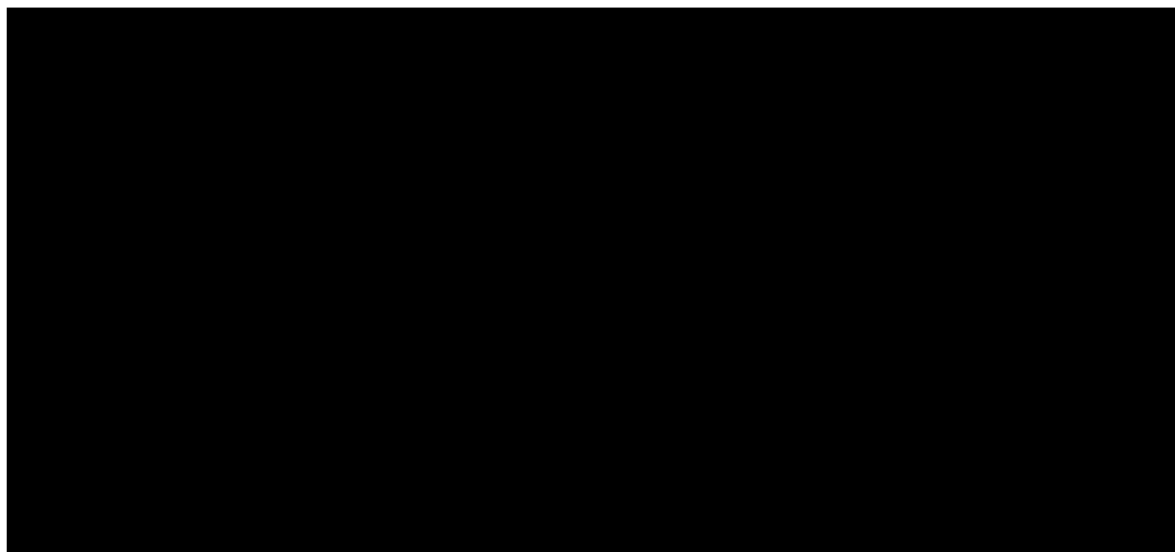
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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>
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MAPS OR CHARTS

AMS. Series E 723, Sheet 5078 I, Banes, 1st ed, Jul 60, scale 1:50,000, (FOR OFFICIAL USE OF GOVERNMENTS OF

AMS. Series E 723, Sheet 5079 II, Cabo Lucrecia, 1st ed, Jan 61, scale 1:50,000, (FOR OFFICIAL USE OF GOVERN-

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